



Operation and Display Unit  
for sysTemp® Temperature Controllers and  
Hot Runner Control Cabinets

## BA Touch II

**PSG**

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CE

Rev. 1.01.00  
01/2011



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# 1 Installation

## 1.1 General Information

The BA Touch II with the PSG programmed user interface enables operation and display of PSG temperature controllers of the sysTemp® class. The BA Touch II controls up to 128 zones.

## 1.2 CANBus

The communication between BA Touch II and the temperature controllers is done by CANBus. A network between BA Touch II and the controllers can be done directly or indirectly via CANVTM module.

A terminating resistor has to be provided on the two outer CANBus participants. On the controller there is a jumper between PIN 3 and 4 on the CANBus connector, on BA Touch II use a 120 resistor between PIN 2 and 7. On CANVTM the terminating resistor is activated by a jumper.

### 1.2.1 Connecting Cable between Controller and BA Touch II

	Controller	BA Touch II
CAN-L	7	2
CAN-H	9	7

## 1.3 Addressing of Temperature Controllers

The addressing of the controllers has to be consecutively according to the instructions in the corresponding operating instructions.

## 2 Start-up

At delivery status the PSG ADMIN password is "root", the USER password is "user" (each without quotation marks).

For start-up perform the following steps:

- Setup and function check of CANBus interface (see chapter 8.2.1 CAN Setup)
- If necessary, setup of the network configuration (see chapter 8.2.2 Network configuration). Only required in case of data recording on external network-compatible hard disk.
- Setup of USER password and ADMIN password (see refer to chapter 8.8 User Administration)
- SCAN CANBus: integrate connected controllers in BA Touch II (see chapter 8.3 Scan)
- After execution of the steps mentioned above the system is ready. In the menu administration (see chapter 8.9 Menu Administration) the visible menus for standard user (USER), as well as user ADMIN can be defined. The menu points can be enabled and their position can be rearranged.

### 3 Operation / Menu





















**Note:**

The BA Touch II can be configured by the menu administration (see chapter 8.9 Menu Administration). The buttons as well as the single menu settings are explicitly enabled for a user and are therefore visible the operating interface.

On the following pages the buttons and menu settings are described.

The BA Touch II is comfortably operated by a menu bar at the lower display border.

The following buttons belong to the menu bar:

Edit					
View					
	Overview	Difference View	Bar Chart View	30 Zones	15 Zones
					
	8 Zones	6 Zones	4 Zones	1 Zone	
Alarm					
Utility					
On/Off					
Current					
Standby					
Boost					
Back					
Next					
Up					
Down					

Dependant on the definition of each single button, a menu opens after pressing the button for Edit, View, Alarm and Utility to select a sub menu items.

### 3.1 Menu Edit



#### Button Edit

In the menu Edit the value of one parameter for one or several zones is changed.

Function Manual Mode	Lower Set Point Limit	
Function Temperature Limit	Upper Set Point Limit	
Function Start-up Mode	Startup Operation	X
Function Leading Zone	Start-up Time of Start-up Mode	X
Function Automatic Ramp	Start-up Time of 2th Set Point/2th Lowering Value	X
Function Activate/Deactivate Zone	Start-up Time of 3th Set Point/3th Lowering Value	X
Function Current Acceptance	Start-up Time of 4th Set Point/4th Lowering Value	X
Function Acknowledge Stored Alarms	Temperature Offset	X
Function Standby (Input1)	Online Control Function	X
Function Boost (Input 2)	Identification Heating	X
Function Code Number	Application	
Setpoint value	Automatic Function for Sensor Break	
Degree of operation	Heating/Cooling	X
Manual mode	Relay Output Heating	
Lower Temperature Limit GW-	Relay Output Cooling	
Upper Temperature Limit GW+	Short Circuit Supervision of Sensor FAL	
Current Tolerance	Alarm Output Cooling 1	X
Current Setpoint Value	Alarm Output Cooling 2	X
2th Set Point/2th Lowering Value	Control Parameter Cooling Constant	X
3th Set Point/3th Lowering Value	Upper Value of Heater Current	X
4th Set Point/4th Lowering Value	Lower Temperature Value	X
Heating Proportional Band	Upper Temperature Value	X
Heating Derivate Time	Temperature Ramp	X
Heating Integral Time	Automatic Temperature Ramp	
Heating Sampling Time	Correction Factor for XP-H	X
Cooling Proportional Band	Correction Factor for TV/TN	X
Cooling Derivate Time	Amplification Factor for Leading Control	
Cooling Integral Time	Leading Zone	
Cooling Sampling Time	Allocation Zone/3-Phase Current Transformer	X
Heating Degree of Operation Damping	Allocation Zone/Measurement Input	X
Cooling Degree of Operation Damping	Group Number	
Maximum Degree of Operation in Manual Mode	Group Release	
	Group Mode	

In case a MCU/PCU is connected, the message “Configuration does not support desired function“ is shown, because the parameters marked with X are not supported by MCU/PCU.



## 3.2 Menu View



Button View

The menu View works dependant on the setup (see chapter 8.2 Setup) in 2 ways.

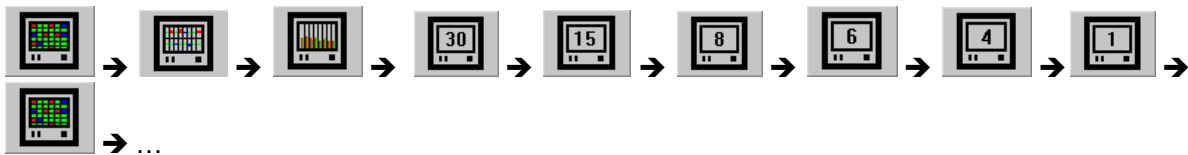
### 3.2.1 Menu Set-up

In the shown menu one of the following views can be selected and displayed. The less the number of zones the more information can be displayed for each zone.

- Overview (all available zones)
- Difference View
- Bar Chart View
- 30 zones (Setpoint Value / Actual Value / Control Deviation / Degree of Operation / Current)
- 15 zones (Degree of Operation / Current)
- 8 Zones
- 6 Zones (Setpoint increase/decrease, Control Deviation)
- 4 Zones
- 1 zone (Trend - or Textual Presentation)

### 3.2.2 Button Set-up

The view visible on the button is displayed after activation. The view visible on the button changes to the next possible view, that can be displayed. So the zone views are passed through one after the other.



## 3.3 Menu Alarm



Button Alarm

In the menu Alarm the following views can be selected:

- Alarm
- Log Book

### 3.4 Menu Utility



Button Utility

In the menu Utility the following items can be selected:

- Zone Parameters
- System Parameters
- Recipe Administration
- Hot Runner Mold Identification
- Scan
- Setup

## 4 Data Input (e.g. Set Point)



Button Edit

After selection of Edit - Set Point (set point is enabled as a menu item, see chapter 8.9 Menu Administration) a dialogue box (always the last zones selected e.g. 1-3 are shown here) is displayed in the lower display border:

Set Point							
Set Point						120.0	
Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6	Zone 7	Zone 8
Zone 9	Zone 10	Zone 11	Zone 12	Zone 13	Zone 14	Zone 15	Zone 16
Zone 17	Zone 18	Zone 19	Zone 20	Zone 21	Zone 22	Zone 23	Zone 24
Zone 25	Zone 26	Zone 27	Zone 28	Zone 29	Zone 30	Zone 31	Zone 32
Zone 33	Zone 34	Zone 35	Zone 36	Zone 37	Zone 38	Zone 39	Zone 40
Zone 41	Zone 42	Zone 43	Zone 44	Zone 45	Zone 46	Zone 47	Zone 48
Zone 49	Zone 50	Zone 51	Zone 52	Zone 53	Zone 54	Zone 55	Zone 56
Zone 57	Zone 58	Zone 59	Zone 60	Zone 61	Zone 62	Zone 63	Zone 64
OK	ESC						

### 4.1 Zone Selection

By the buttons in the footer the zones, the change should be valid for, are selected.



Button All Zones; all zones are selected and are therefore represented in green.



Button No Zones; no zones are selected and are therefore represented in gray.



Button Block Selection; guided by dialog the first and the last zone are selected. The first, the last and the zones in between build a block that is selected and displayed in green.

Each zone can be selected (green)/ deselected (gray) by click on it.

**Example**

By button Block Selection zone 9 and 14 are selected. The block built of zone 9 up to 14, is displayed in green. For these zones the setpoint value is entered by selection of the setpoint value above the zones and a keypad is displayed, where the new value can be entered.

Set Point			Set Point		
Set Point			120.0		
Zone 1	Zone 2	Zone 3	?	<--	C
Zone 9	Zone 10	Zone 11	1	2	3
Zone 17	Zone 18	Zone 19	4	5	6
Zone 25	Zone 26	Zone 27	7	8	9
Zone 33	Zone 34	Zone 35	0 .		
Zone 41	Zone 42	Zone 43	abs. rel.		
Zone 49	Zone 50	Zone 51	OK ESC		
Zone 57	Zone 58	Zone 59	OK ESC		

With the setting **abs.** the value is directly taken over.

With the setting **rel.** the present value is changed by the value entered (increased/ decreased).

For parameters of other values (on/off; list of value, etc.) the input mask could look different.

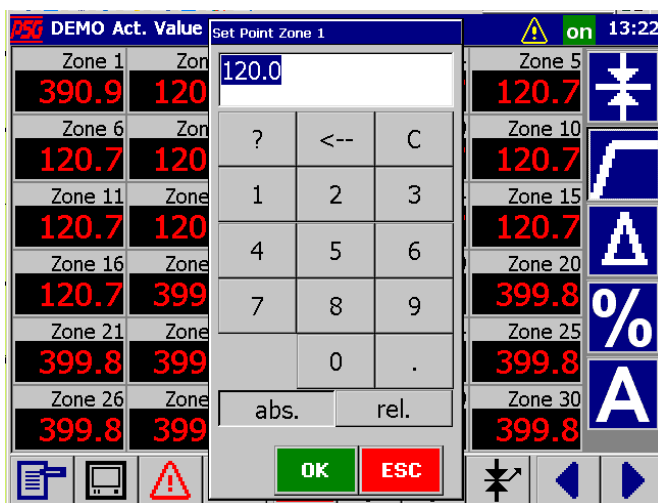
## 5 Direct Entry for Zone

For the views

- 30 Zones
- 15 Zones
- 8 Zones
- 6 Zones
- 4 Zones
- 1 Zone

the displayed setpoint -, actual value, control deviation, degree of operation and current can be selected directly for data entry.

### 5.1 Direct Entry for Setpoint Value

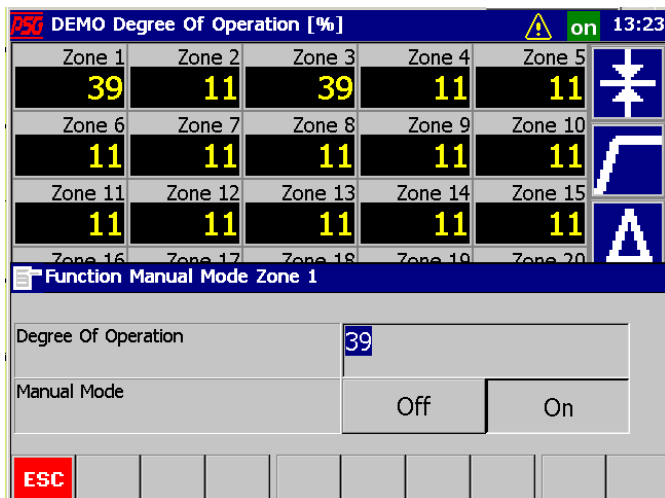


By selection of the value for actual value or setpoint value or difference a window to enter setpoint value is displayed. By the keypad displayed the new value is entered.

With the setting **abs.** the value is directly taken over.

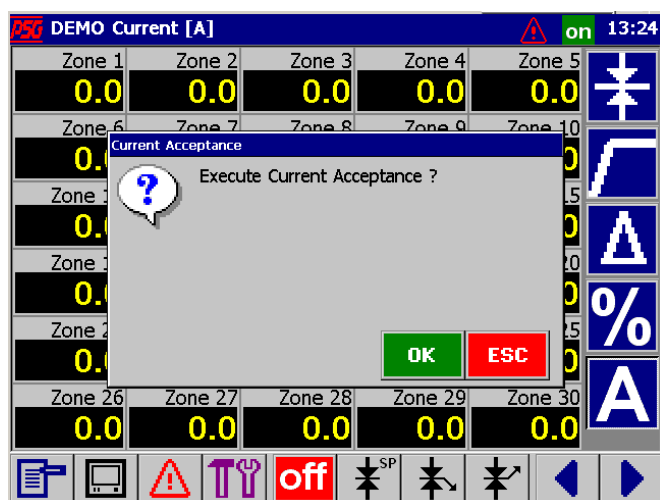
With the setting **rel.** the present value is changed by the value entered (increased/ decreased).

## 5.2 Direct Entry for Degree of Operation



By selection of the value for degree of operation the shown window is displayed. By the buttons ON/OFF the manual mode can be activated/deactivated. For manual mode active, the new value for degree of operation can directly be entered.

## 5.3 Direct Entry for Current



By selection of the value for current the shown window is displayed. A current acceptance can be started.

## 6 Views



Button View and selection out of displayed list

### 6.1 Overview



Button Overview or



button View and menu selection Overview

Overview			
Zone 1	Zone 2	Zone 3	Zone 4
Zone 5	Zone 6	Zone 7	Zone 8
Zone 9	Zone 10	Zone 11	Zone 12
Zone 13	Zone 14	Zone 15	Zone 16
Zone 17	Zone 18	Zone 19	Zone 20
Zone 21	Zone 22	Zone 23	Zone 24
Zone 25	Zone 26	Zone 27	Zone 28
Zone 29	Zone 30	Zone 31	Zone 32
Zone 33	Zone 34	Zone 35	Zone 36
Zone 37	Zone 38	Zone 39	Zone 40

In the overview all available zones are displayed. The status of the single zone is indicated in terms of color and exemplified for zone 1.

Zone 1	Zone 1 passive (gray)
Zone 1	Zone 1 control deviation in between tolerance band +/- 5 K (green)
Zone 1	Zone 1 control deviation out of tolerance band + 5 K (red; actual value above limit value)
Zone 1	Zone 1 control deviation out of tolerance band + 5 K (blue; actual value below limit value)

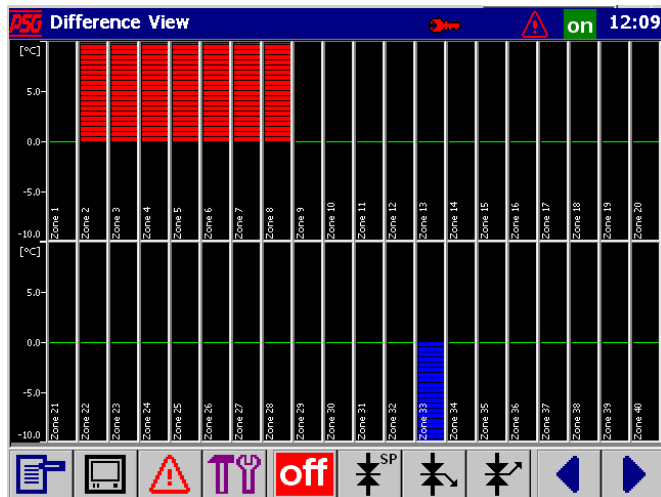
## 6.2 Difference View



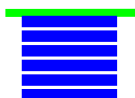
Button Difference View or



button View and menu selection Overview



In the difference view, the deviation of the actual value is represented with reference to the setpoint value (green line).



Deviation less than -5 K (blue) from the setpoint value



Deviation -5 K to +5 K (green) from the setpoint value



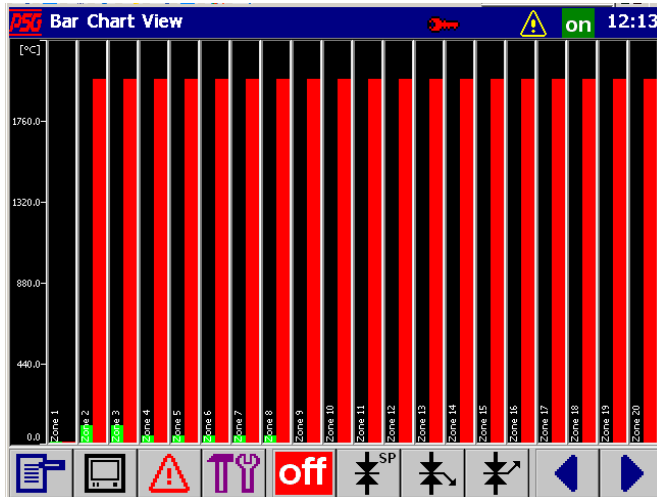
Deviation greater than +5 K (red) from the setpoint value



### 6.3 Bar Chart View



Button Bar Chart View or  button View and menu selection Bar Chart View



In the bar chart view, the actual value (red) and the setpoint value (green) are represented absolutely.

### 6.4 30 Zone View



Button 30 zones or  button View and menu selection 30 zones

DEMO Act. Value [°C]				
Zone 1	Zone 2	Zone 3	Zone 4	Zone 5
390.9	120.7	390.9	120.7	120.7
Zone 6	Zone 7	Zone 8	Zone 9	Zone 10
120.7	120.7	120.7	120.7	120.7
Zone 11	Zone 12	Zone 13	Zone 14	Zone 15
120.7	120.7	120.7	120.7	120.7
Zone 16	Zone 17	Zone 18	Zone 19	Zone 20
120.7	399.8	399.8	399.8	399.8
Zone 21	Zone 22	Zone 23	Zone 24	Zone 25
399.8	399.8	399.8	399.8	399.8
Zone 26	Zone 27	Zone 28	Zone 29	Zone 30
399.8	399.8	399.8	399.8	399.8

Setpoint value	245.0 green
Actual Value	245.1 red
Control Deviation	-0.1 yellow
Degree of Operation	24 yellow
Current	0.0 yellow

In the view of 30 zones only one process value is displayed (set point or actual value or control deviation or degree of operation or current).

By the sidwise button bar the process value can be selected.

By selection of a value of a zone you can change to Direct Entry for Zone (see chapter 5).

For passive zones the value is displayed in grey color.

## 6.5 15 Zone View



Button 15 zones or



button View and menu selection 15 zones

DEMO 15 Zones				
Zone 1	Zone 2	Zone 3	Zone 4	Zone 5
390.9 °C	120.7 °C	390.9 °C	120.7 °C	120.7 °C
120.0 °C	120.0 °C	120.0 °C	120.0 °C	120.0 °C
39 %	11 %	39 %	11 %	11 %
0.0 A	0.0 A	0.0 A	0.0 A	0.0 A
Zone 6	Zone 7	Zone 8	Zone 9	Zone 10
120.7 °C	120.7 °C	120.7 °C	120.7 °C	120.7 °C
120.0 °C	120.0 °C	120.0 °C	120.0 °C	120.0 °C
11 %	11 %	11 %	11 %	11 %
0.0 A	0.0 A	0.0 A	0.0 A	0.0 A
Zone 11	Zone 12	Zone 13	Zone 14	Zone 15
120.7 °C	120.7 °C	120.7 °C	120.7 °C	120.7 °C
120.0 °C	120.0 °C	120.0 °C	120.0 °C	120.0 °C
11 %	11 %	11 %	11 %	11 %
0.0 A	0.0 A	0.0 A	0.0 A	0.0 A

In the view of 15 zones the process values set point, actual value, degree of operation and current are displayed. By a red (error) and green (O.K.) led respectively the alarm condition of the zone is displayed. By selection of a value of a zone you can change to Direct Entry for Zone (see chapter 5). For passive zones the value is displayed in grey color.

## 6.6 8 Zone View



Button 8 zones or



button View and menu selection 8 zones

DEMO 8 Zones			
Zone 1	Zone 2	Zone 3	Zone 4
390.9 °C	120.7 °C	390.9 °C	120.7 °C
120.0 °C	120.0 °C	120.0 °C	120.0 °C
39 %	11 %	39 %	11 %
0.0 A	0.0 A	0.0 A	0.0 A
Zone 5	Zone 6	Zone 7	Zone 8
120.7 °C	120.7 °C	120.7 °C	120.7 °C
120.0 °C	120.0 °C	120.0 °C	120.0 °C
11 %	11 %	11 %	11 %
0.0 A	0.0 A	0.0 A	0.0 A

In the view of 8 zones the process values set point, actual value, degree of operation and current are displayed. By a red (error) and/or green (O.K.) led the alarm condition of the zone is displayed, by a text field the status of the zone.

By selection of a value of a zone you can change to Direct Entry for Zone (see chapter 5).

For passive zones the value is displayed in grey color.

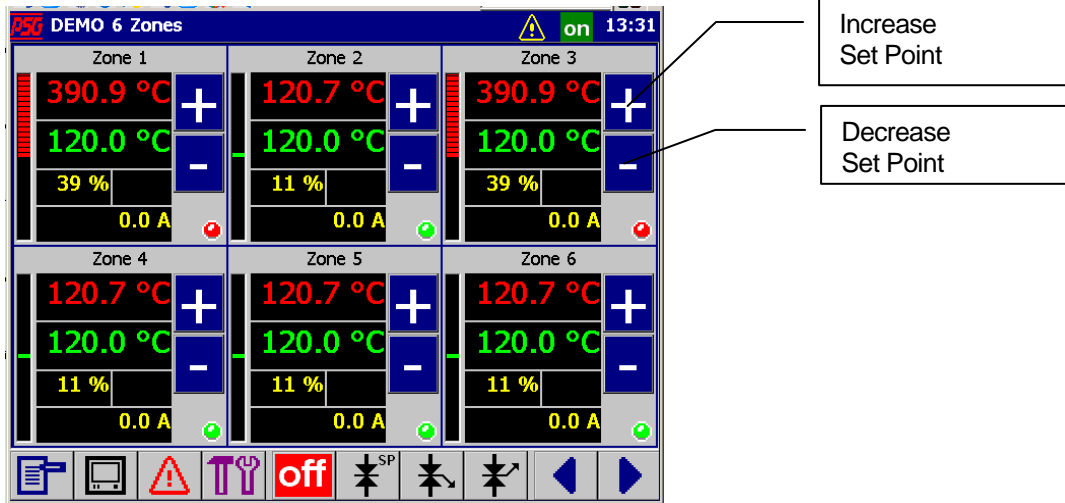
## 6.7 6 Zone View



Button 6 zones or



button View and menu selection 6 zones



In the view of 6 zones the process values set point, actual value, degree of operation and current are displayed.

By a red (error) and/or green (O.K.) led the alarm condition of the zone is displayed, by a text field the status of the zone. A bar represents the actual control deviation.

By the buttons "+" and "-" the set point can directly be changed.

By selection of a value of a zone you can change to Direct Entry for Zone (see chapter 5).

For passive zones the value is displayed in gray color.

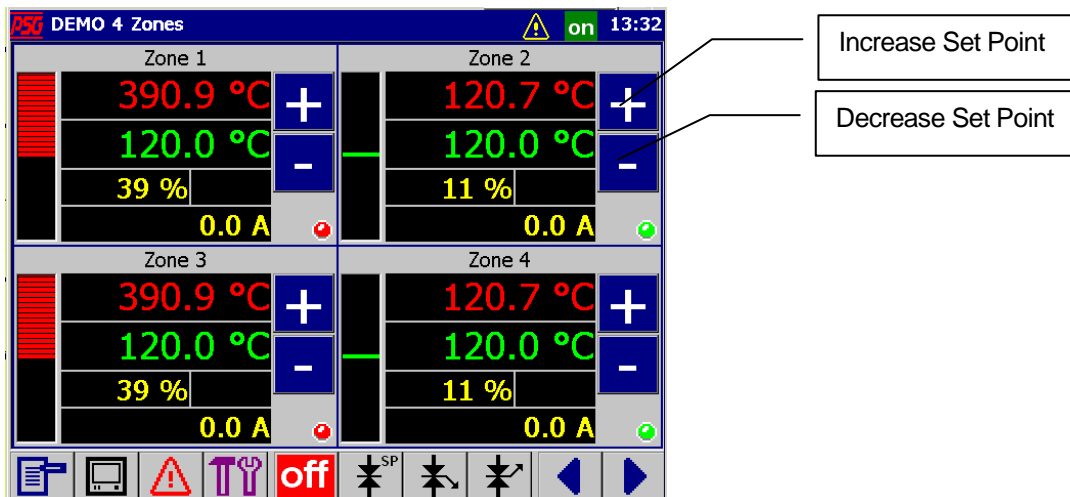
## 6.8 4 Zone View



Button 4 zones or



button View and menu selection 4 zones



In the view of 4 zones the process values set point, actual value, degree of operation and current are displayed.

By a red (error) and/or green (O.K.) led the alarm condition of the zone is displayed, by a text field the status of the zone. A bar represents the actual control deviation.

By the buttons "+" and "-" the set point can directly be changed.

By selection of a value of a zone you can change to Direct Entry for Zone (see chapter 5).  
For passive zones the value is displayed in gray color.

## 6.9 1 Zone View

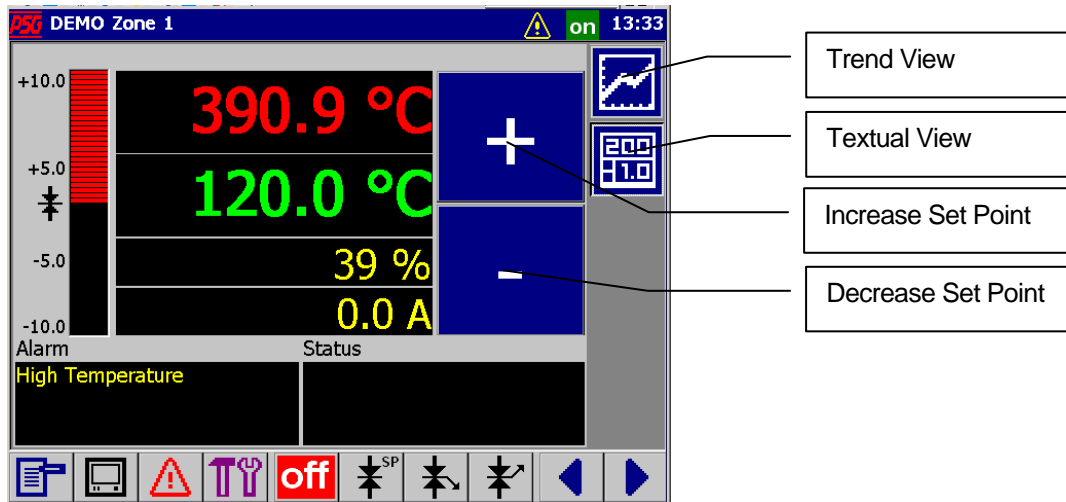


Button 1 zones or



button View and menu selection 1 zones

### 6.9.1 1 Zone Textual View



In the 1 zone textual view the process values actual value, setpoint value, degree of operation and current are displayed.

By two text fields the alarm status and the status in plain text are displayed.

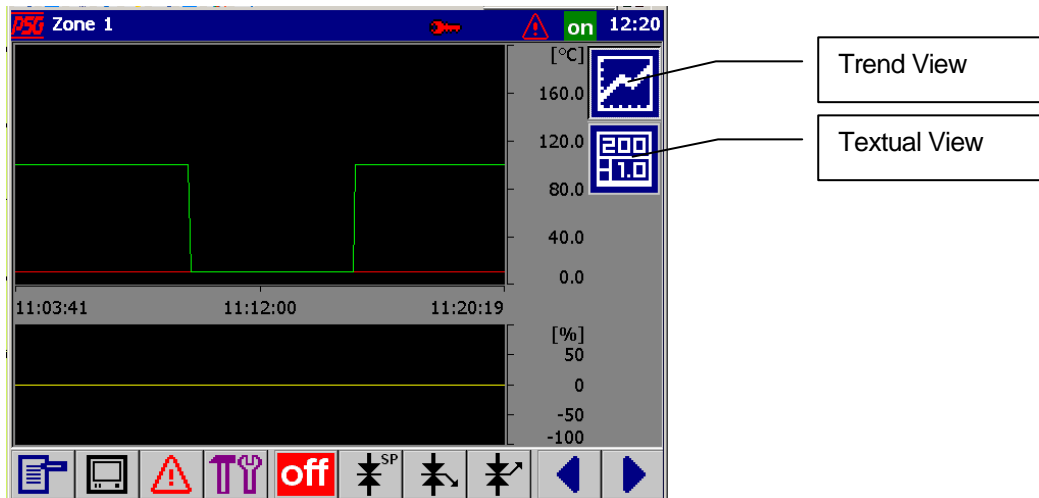
A bar represents the actual control deviation.

By the buttons “+” and “-” the set point can directly be changed.

By selection of a value of a zone you can change to Direct Entry for Zone (see chapter 5).

For passive zones the value is displayed in gray color.

## 6.9.2 1 Zone Trend View



In the view of 1 zone – trend view the trend of the process values actual value, setpoint value, degree of operation is displayed.

By the sidewise button bar trend view or textual view can be selected.

By click on the time - or value scales the scaling can be changed by an input mask. After change of the scaling the trend in the window is erased and built up new.

## 7 Alarm



Button Alarm

### 7.1 Actual Alarms

In the view Alarm the actual unacknowledged alarms of the particular zone with time and date are displayed.

PSG Alarm <span>on</span> 12:20									
Zone:									
Zone 1									12:14/22.01
Zone 2									12:14/22.01
Zone 3									12:14/22.01
Zone 4									12:14/22.01
Zone 5									12:14/22.01
Zone 6									12:14/22.01
Zone 7									12:14/22.01
Zone 8									12:14/22.01
Zone 10									12:14/22.01



Excess temperature GW+

Temperature alarm AL

Sensor polarity FP

Thyristor alarm SAA



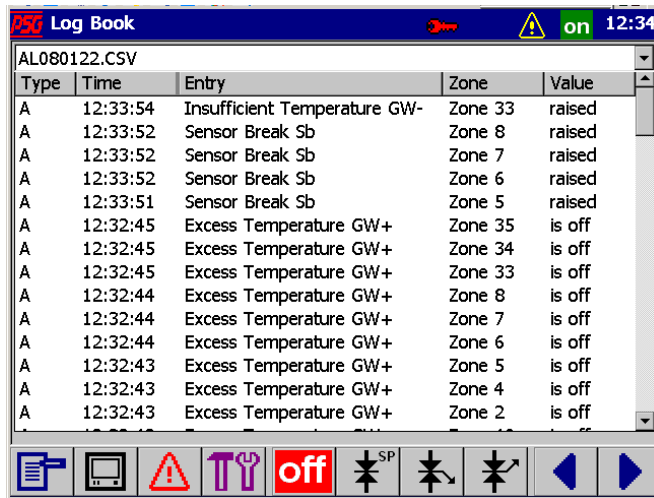
Subnormal temperature GW-

Sensor break Fb

Short circuit

Current alarm SAE

## 7.2 Log Book



Type	Time	Entry	Zone	Value
A	12:33:54	Insufficient Temperature GW-	Zone 33	raised
A	12:33:52	Sensor Break Sb	Zone 8	raised
A	12:33:52	Sensor Break Sb	Zone 7	raised
A	12:33:52	Sensor Break Sb	Zone 6	raised
A	12:33:51	Sensor Break Sb	Zone 5	raised
A	12:32:45	Excess Temperature GW+	Zone 35	is off
A	12:32:45	Excess Temperature GW+	Zone 34	is off
A	12:32:45	Excess Temperature GW+	Zone 33	is off
A	12:32:44	Excess Temperature GW+	Zone 8	is off
A	12:32:44	Excess Temperature GW+	Zone 7	is off
A	12:32:44	Excess Temperature GW+	Zone 6	is off
A	12:32:43	Excess Temperature GW+	Zone 5	is off
A	12:32:43	Excess Temperature GW+	Zone 4	is off
A	12:32:43	Excess Temperature GW+	Zone 2	is off

The backup can be displayed in the log book, when the alarms are stored in the file named in the setup (see chapter 8.2 Setup).

By the pull-down menu on the upper display border a name of an existent log book can be selected. The name of the log book has the following format: AL<year><month><day>.CSV . The file can be opened by EXCEL for example.

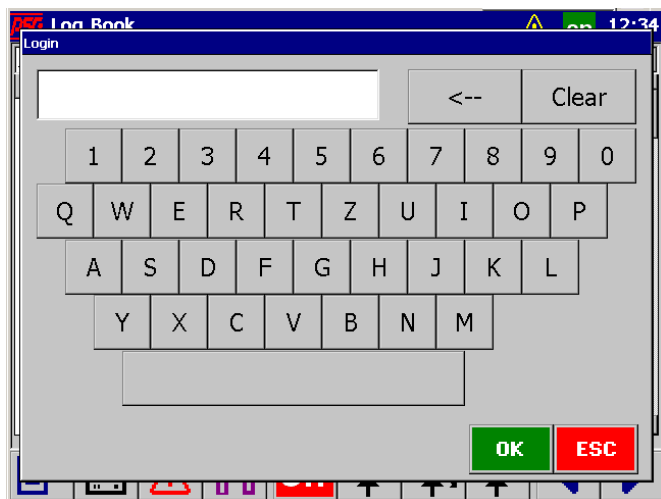
## 8 Utility



### Button Utility

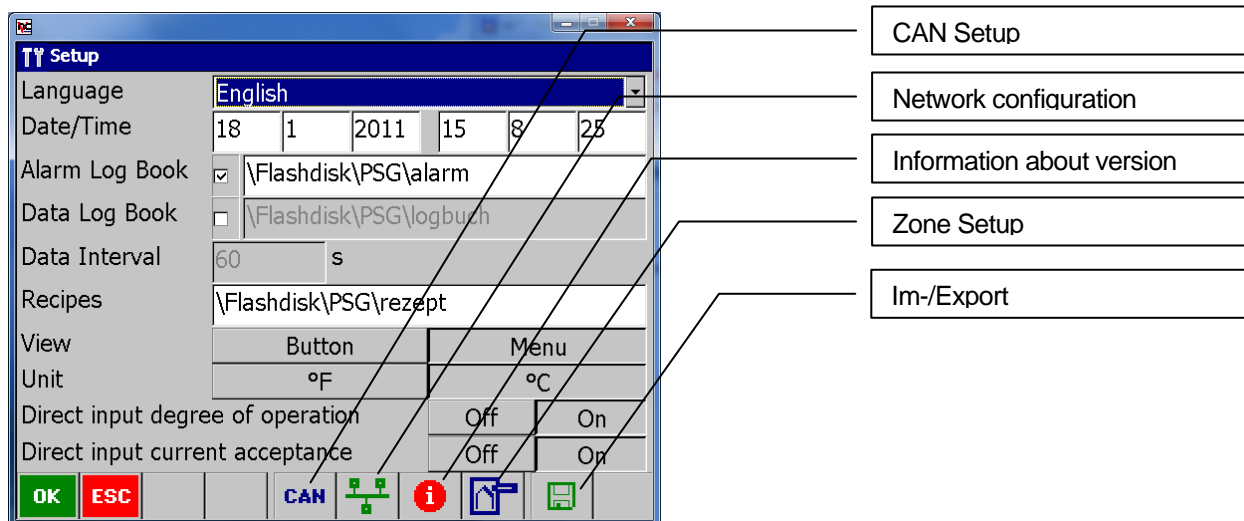
#### 8.1 Login

Enter password for the user USER or ADMIN.



For the passwords at delivery status, see chapter 2 Start-up.

#### 8.2 Setup



The basic setting is done by the setup of the device.

Language: The languages supported depend on the language files available on the storage card.

Alarm Log Book	Activation/ Deactivation of alarm log book. Selection of the storage directory for alarm log book files.
Data Log Book	Activation/ Deactivation of data log book. Selection of the storage directory for data log book files.
Data Interval	Setting of the interval of data storage.



Recipes	Selection of the storage directory for the recipe files.
View	With setting Button you can step through the views by each click on them. With setting Menu a selection list is displayed where the view can be selected from.
Unit	Setting of unit °C / °F. The connected devices are adjusted to this setting.
Direct input degree of operation	Is degree of operation clicked on in the zone view and "Direct input degree of operation" ON, the dialog "Function manual mode zone X" is called.
Direct input current acceptance	Is current clicked on in the zone view and "Direct input current acceptance" ON, the dialog "Current acceptance" is called.

## 8.2.1 CAN Setup

### CAN

Setup  
CAN-Setup

Node ID: 32 Timeout: 100  
Baud Rate: 250k BA: 4  
PDO: 2  
StartAllNodes: ☐ before communication  
Version:   
Status: 0

OK ESC CHECK

Check of CAN Setup

Setup of the CAN interface. An interface test is done by function check.

In case of correct interface setup the version of the software of the actual controller is displayed in the version field. In case of incorrect communication an error message is displayed in the status field.

### 8.2.2 Network configuration



**Network Configuration**

Device Name: VisioP4xx

☐ Obtain an IP address via DHCP

IP Address	192	168	1	236
Subnet Mask	255	255	255	0
Gateway	0	0	0	0
Primary DNS	0	0	0	0
Secondary DNS	0	0	0	0
Primary WINS	0	0	0	0
Secondary WINS	0	0	0	0

OK ESC

Setting of network addresses.  
Only required in case of external data storage by Ethernet.

### 8.2.3 Information



**Setup**

Language: English

**Info**

HRSTOUCH Copyright (C) 2005

Version: [Redacted]

Plastic Service GmbH  
D 68309 Mannheim, Pirnaer Str. 14-16  
Tel. <+49> 621/7162-0 Fax. -162  
info@psg-online.de www.psg-online.de

☐ Simulation of the interface

OK ⓘ

The version VX.Y.Z/YYMMDD of the installed software is displayed. Logged in as user ADMIN the system can be stopped by button ⓘ.

## 8.2.4 Zone Setup



Zones-Setup		
No	Zone	Unit
1	Zone 1	°C
2	Zone 2	°C
3	Zone 3	°C
4	Zone 4	°C
5	Zone 5	°C
6	Zone 6	°C
7	Zone 7	°C
8	Zone 8	°C
9	Zone 9	°C
10	Zone 10	°C
11	Zone 11	°C
12	Zone 12	°C
13	Zone 13	°C
14	Zone 14	°C

OK ESC

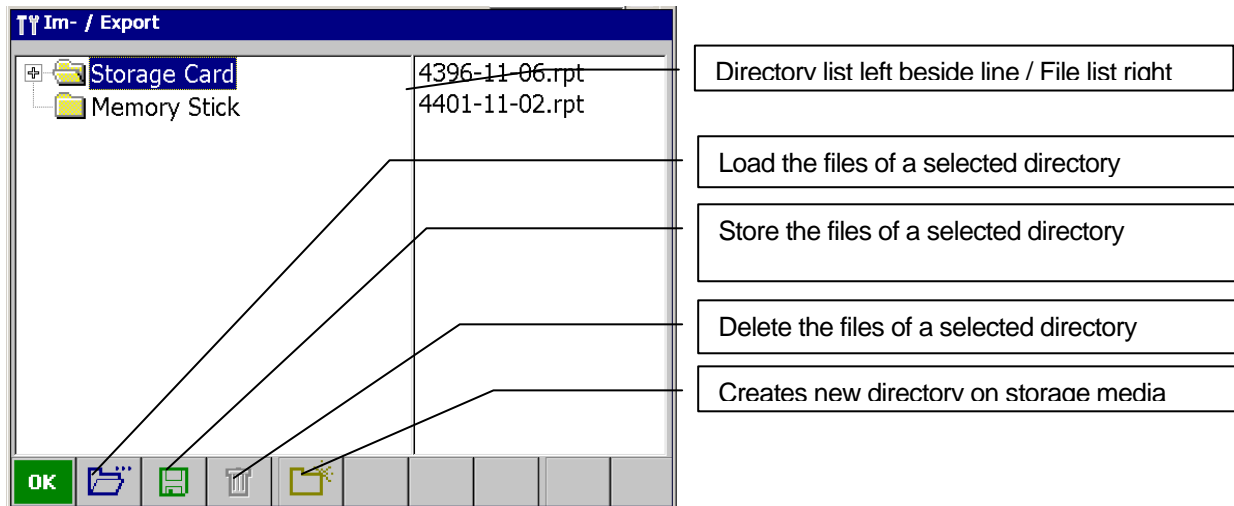
By the column zone a name can be assigned to a zone.

By the column Unit a unit can be assigned to a zone.

Is the unit deleted, °C / °F is automatically entered.

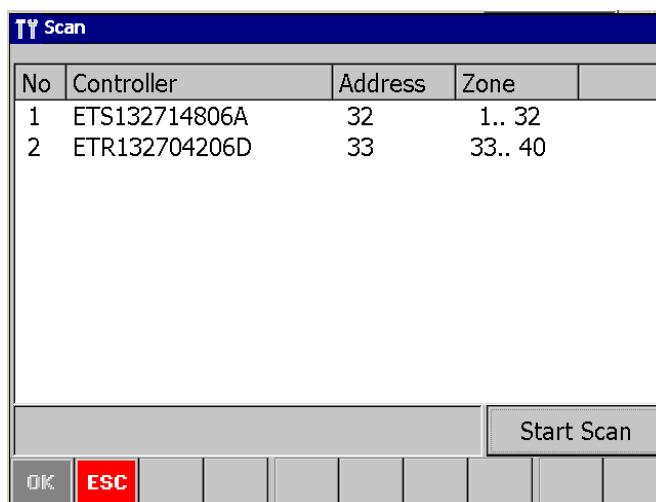
For a user defined unit the actual value of the zone is displayed in orange color in all views, even if the zone is passive or the set point is 0.

### 8.2.5 Im-/Export



By the USB connectors of the BA Touch II a storage media (here named: Memory Stick) can be connected, directories with files can be exported and/or imported.

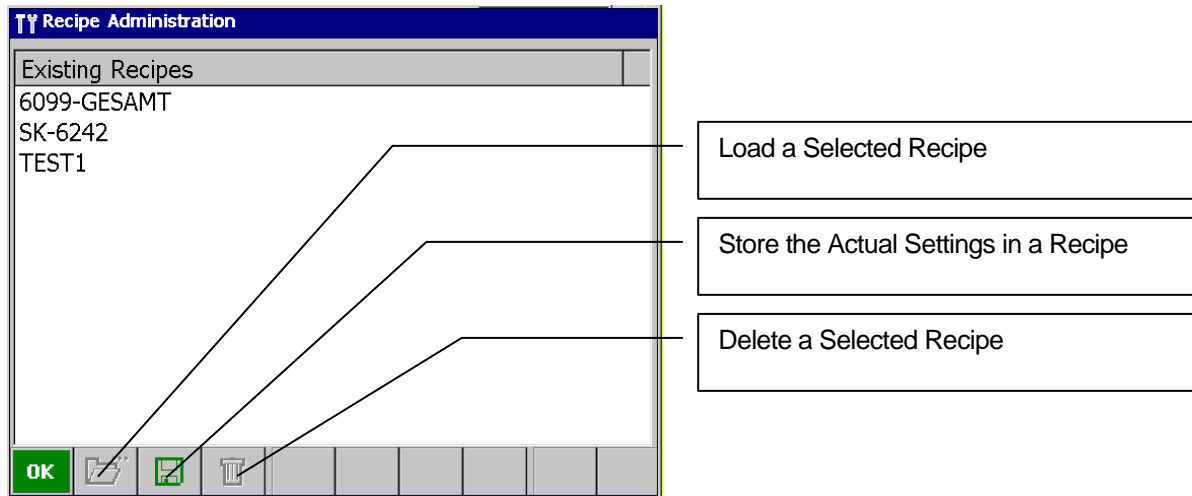
### 8.3 Scan



By the button „Start Scan“ the BA Touch II scans the CANBus for controllers. The CANBus is scanned from node id 32 up to node id 127.

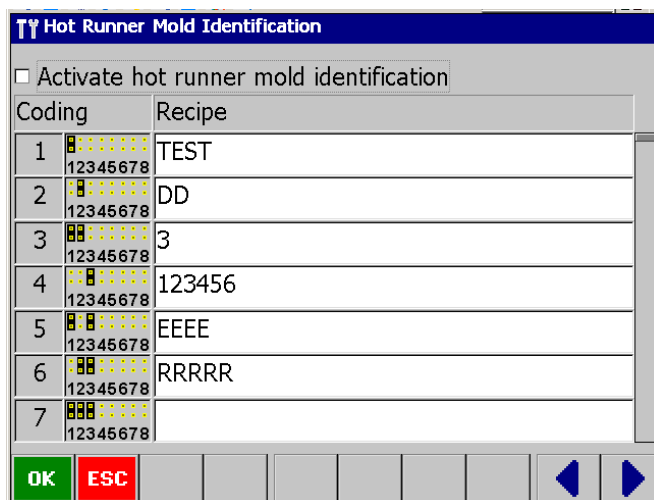
The identified controllers are entered in a list, the zones are consecutively numbered.

## 8.4 Recipe Administration



In the recipe administration parameter sets of the controller are stored on the Compact Flash Card and are loaded again into the controller from Compact Flash Card.

## 8.5 Hot Runner Mold Identification





According to the jumpers set for the plug at the hot runner mold, BA Touch II sends a coding between 1 and 255. For each coding a recipe can be assigned where the settings are taken from after activation of the Hot Runner Mold Identification.


By selection of the text field with the recipe name a dialog opens where the available recipes can be selected.



## 8.6 System Parameters

System Parameter Controller 1			
Protocol	PSG-II	Definition Byte 1 - Alarm Port 1	0
Baud Rate	19200	Definition Byte 2 - Alarm Port 1	0
Number of Stop Bits	1	Definition Byte 3 - Alarm Port 1	0
Parity	Off	Definition Byte 1 - Alarm Port 2	0
CANopen Base Address	32	Definition Byte 2 - Alarm Port 2	0
Auto Operational Mode CANopen	On	Definition Byte 3 - Alarm Port 2	0
Profibus DP Slave Address	30	Definition Byte 1 - Alarm Port 3	0



System parameters are valid for one controller unit.

By the buttons  /  is selected, whether the value is written in block mode for all controller units or in single mode for a single controller.

In block mode the controllers can be selected by button  to be written in block mode. The green displayed controllers are written, the gray displayed controllers not. The controllers are selected/ deselected by click on them.








By button  all controllers are selected, by button  all controllers are deselected.



By selection of a parameter field an input mask is opened.


By button  /  is scrolled to further system parameters.



## 8.7 Zone Parameter

Zone Parameter Zone 1			
Set Point	100	Limit Value 1	-6
Degree Of Operation	0	Limit Value 2	-6
Manual Mode	On	Limit Value 3	6
Zone	On	Limit Value 4	6
Alloc.Zone/3-Phase Current Transformer	1	Limit Definition 1	1
Tolerance of Heater Current	21.0	Limit Definition 2	1
Set Point of Heater Current	1.0	2nd Set Point/2nd Lowering Value	1












By the button  /  is selected, whether the value is written in block mode or in single mode.

In block mode the controllers can be selected by button  to be written in block mode. The green displayed zones are written, the gray displayed zones not. The zones are selected/ deselected by click on them.

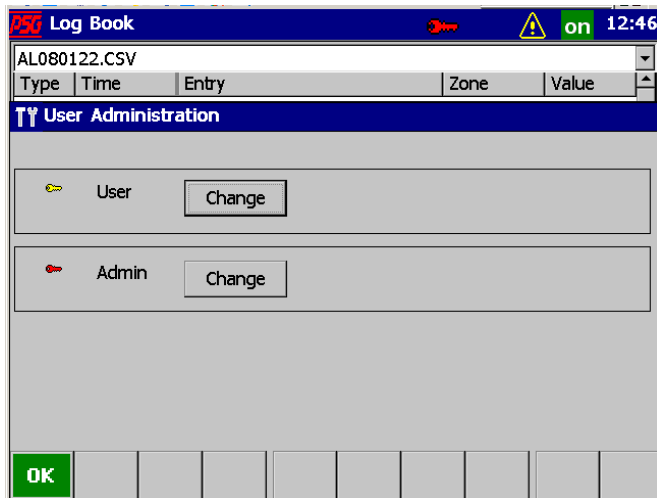
By button  all zones are selected, by button  all zones are deselected.

By selection of a parameter field an input mask is opened.

By button  /  is scrolled to further zone parameters.

By buttons  /  is scrolled to further selected zones.

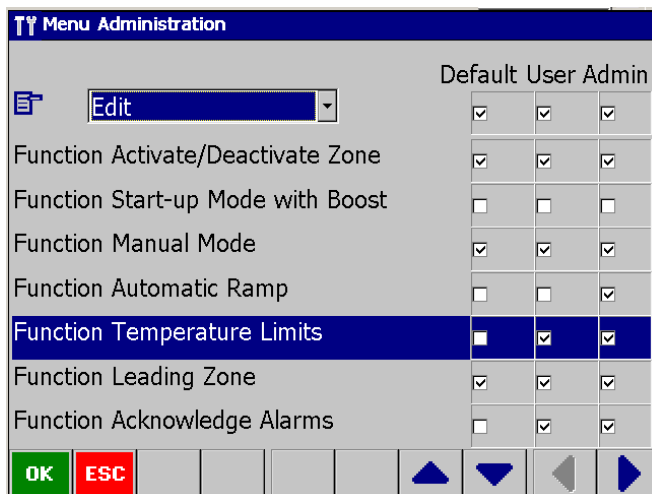
## 8.8 User Administration



The passwords for user USER and ADMIN can be changed here.

In case of change of the password, the old password, the new password and an affirmation of the new password has to be entered.


## 8.9 Menu Administration



In the menu administration the menu items for each user can be enabled.

By the pull-down menu select the actual menu (Edit / View / Alarm / Utility / On/Off / Setpoint Value / Standby / Boost).

The menu item for the particular user is activated by setting of a check. To change the order of the menu

items, select one parameter (selection in blue color) and change the order by pressing the button  /



up or down.



## 9 On/Off



By the ON/OFF key, the control outlets of all zones are activated and deactivated. The buttons are alternately visible. In the header the actual status is shown on the left side of the time.

PSG Overview			
<div> <div> <div></div> <div>on</div> <div>12:08</div> </div> </div>			
Zone 1	Zone 2	Zone 3	Zone 4
Zone 5	Zone 6	Zone 7	Zone 8

## 10 Setpoint value



Button Setpoint Value

Set Point							
120.0							
Zone 1 120.0 °C	Zone 2 120.0 °C	Zone 3 120.0 °C	Zone 4 120.0 °C	Zone 5 120.0 °C	Zone 6 120.0 °C	Zone 7 120.0 °C	Zone 8 120.0 °C
Zone 9 120.0 °C	Zone 10 120.0 °C	Zone 11 120.0 °C	Zone 12 120.0 °C	Zone 13 120.0 °C	Zone 14 120.0 °C	Zone 15 120.0 °C	Zone 16 120.0 °C
Zone 17 400.0 °C	Zone 18 400.0 °C	Zone 19 400.0 °C	Zone 20 400.0 °C	Zone 21 400.0 °C	Zone 22 400.0 °C	Zone 23 400.0 °C	Zone 24 400.0 °C
Zone 25 400.0 °C	Zone 26 400.0 °C	Zone 27 400.0 °C	Zone 28 400.0 °C	Zone 29 400.0 °C	Zone 30 400.0 °C	Zone 31 400.0 °C	Zone 32 400.0 °C
Zone 33 400.0 °C	Zone 34 400.0 °C	Zone 35 400.0 °C	Zone 36 400.0 °C	Zone 37 400.0 °C	Zone 38 400.0 °C	Zone 39 400.0 °C	Zone 40 400.0 °C
Zone 41 400.0 °C	Zone 42 400.0 °C	Zone 43 400.0 °C	Zone 44 400.0 °C	Zone 45 400.0 °C	Zone 46 400.0 °C	Zone 47 400.0 °C	Zone 48 400.0 °C
Zone 49 400.0 °C	Zone 50 400.0 °C	Zone 51 400.0 °C	Zone 52 400.0 °C	Zone 53 400.0 °C	Zone 54 400.0 °C	Zone 55 400.0 °C	Zone 56 400.0 °C
Zone 57 400.0 °C	Zone 58 400.0 °C	Zone 59 400.0 °C	Zone 60 400.0 °C	Zone 61 400.0 °C	Zone 62 400.0 °C	Zone 63 400.0 °C	Zone 64 400.0 °C
OK	ESC						

The button Setpoint value opens a menu where the zones can be selected (see chapter 4.1 Zone Selection). By a click into the value field a keypad opens where a setpoint value can be entered for the before selected zone.

## 11 Standby



Button Standby

DEMO Overview							
Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6	Zone 7	Zone 8
Zone 9	Zone 10	Zone 11	Zone 12	Zone 13	Zone 14	Zone 15	Zone 16
Zone 17	Zone 18	Zone 19	Zone 20	Zone 21	Zone 22	Zone 23	Zone 24
Zone 25	Zone 26	Zone 27	Zone 28	Zone 29	Zone 30	Zone 31	Zone 32
Zone 33	Zone 34	Zone 35	Zone 36	Zone 37	Zone 38	Zone 39	Zone 40
Zone 41	Zone 42	Zone 43	Zone 44	Zone 45	Zone 46	Zone 47	Zone 48
Zone 49	Zone 50	Zone 51	Zone 52	Zone 53	Zone 54	Zone 55	Zone 56
Zone 57	Zone 58	Zone 59	Zone 60	Zone 61	Zone 62	Zone 63	Zone 64
Zone 65	Zone 66	Zone 67	Zone 68	Zone 69	Zone 70	Zone 71	Zone 72
Zone 73	Zone 74	Zone 75	Zone 76	Zone 77	Zone 78	Zone 79	Zone 80
Zone 81	Zone 82	Zone 83	Zone 84	Zone 85	Zone 86	Zone 87	Zone 88
Zone 89	Zone 90	Zone 91	Zone 92	Zone 93	Zone 94	Zone 95	Zone 96
Zone 97	Zone 98	Zone 99	Zone 100	Zone 101	Zone 102	Zone 103	Zone 104
Zone 105	Zone 106	Zone 107	Zone 108	Zone 109	Zone 110	Zone 111	Zone 112
Zone 113	Zone 114	Zone 115	Zone 116	Zone 117	Zone 118	Zone 119	Zone 120
Zone 121	Zone 122	Zone 123	Zone 124	Zone 125	Zone 126	Zone 127	Zone 128

Standby

Standby Switch ON / Switch OFF

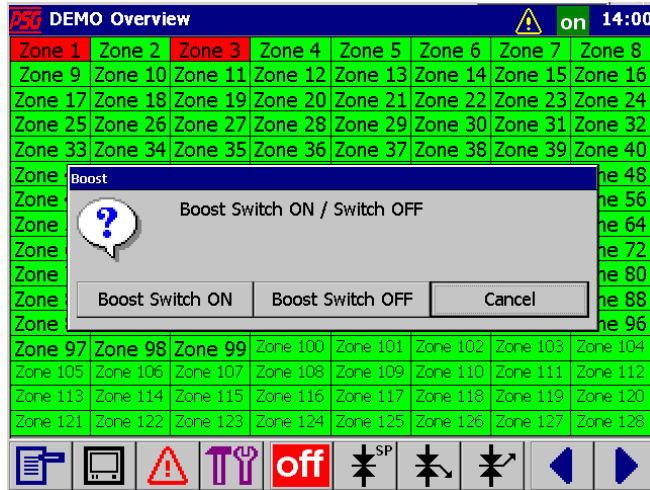
Standby Switch ON Standby Switch OFF Cancel

By the button Standby in the footer the Standby function for all zones can be switched on and/or off. By means of the standby function, the setpoint value is decreased for all zones by the value for the standby function.

## 12 Boost



Button Boost



By the button Boost in the footer the Boost function for all zones can be switched on and/or off.  
By means of the boost function, the setpoint value is raised for all zones by the value for the boost function.

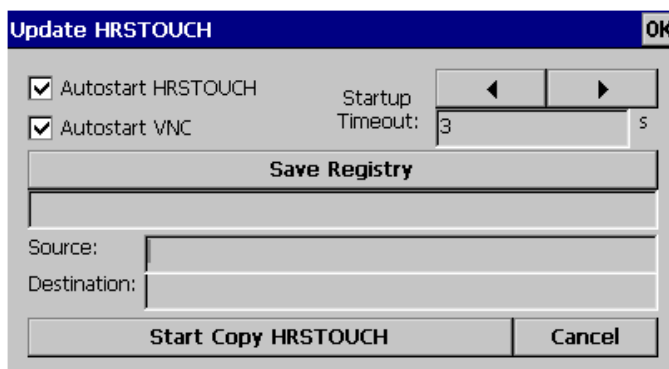
## 13 Software Update

The software of BA Touch II is consecutively enhanced. By the USB interface for an USB stick and/or the slot for a Compact Flash Card the software of BA Touch II can be imported and updated. The latest software version can be offered on demand.

Stop the running BA Touch II system first (see 8.2.3 Information).

Copy the software on an USB stick and/or Compact Flash Card. Plug in the USB stick on the rear side of the panel and/or insert the Compact Flash Card in the slot. Start an Explorer on the panel and change to the directory named **Memory Stick** (for USB stick) and/or **Storage Card** (for Compact Flash Card), start program **Update.exe**.

The following dialog box is displayed.



Select the button **Start Copy HRSTOUCH**. Change to the directory named \Memory Stick\HRSTOUCH and/or \Storage Card\HRSTOUCH, where you can find the main program IPC.exe. The installation starts and puts the files into the directory \Flashdisk\PSG (internal flash disk of the panel).

The installation of the software is completed as soon as the button **Start Copy HRSTOUCH** is active again. Exit the menu by CANCEL. Answer the questions "Update HRSTOUCH" with YES and "Save Registry to Flash" with YES.

The BA Touch II system can be restarted.

## 14 Appendix

### 14.1 Version history

Version	Date	Changes
1.00.02	01/18/2010	Menu items for setup amended For software version HRSTouch V1.1.0
1.00.01	02/16/2009	Menu Edit; not supported parameters by MCU/PCU For software version HRSTouch V1.0.9
1.00.00	01/22/2008	For software version HRSTouch V1.0.6 First edition.